

<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Jacksonville District	<b>SHEET 1</b> OF 2 SHEETS
<b>1. PROJECT</b> Drilling Log Example		<b>9. SIZE AND TYPE OF BIT</b> See Remarks		
<b>2. BORING DESIGNATION</b> CP01-SGGRR-CB-0001		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)		
<b>3. DRILLING AGENCY</b> Corps Of Engineers		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> CME-45		
<b>4. NAME OF DRILLER</b> M. Whitson		<b>12. TOTAL SAMPLES</b> 12		
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		<b>13. TOTAL NUMBER CORE BOXES</b> 2		
<b>6. THICKNESS OF OVERBURDEN</b> 11.3 Ft.		<b>14. ELEVATION GROUND WATER</b> 4.2 Ft. measured after 24 hrs.		
<b>7. DEPTH DRILLED INTO ROCK</b> 4.5 Ft.		<b>15. DATE BORING</b> STARTED 10-15-01 COMPLETED 10-16-01		
<b>8. TOTAL DEPTH OF BORING</b> 20.8 Ft.		<b>16. ELEVATION TOP OF BORING</b> 6.3 Ft.		
		<b>17. TOTAL RECOVERY FOR BORING</b> 63 %		
		<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> C. Papiernik, Geologist		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/0.5 FT.	N-VALUE
6.3	0.0		CLAY, lean, medium plasticity, soft (CL)				6.3		
5.1	1.2			1				WOR	0
			SAND, silty, mostly fine-grained quartz, some silt, little subangular medium-grained shell, trace plant debris, trace angular coarse gravel-sized limestone up to 1-1/4", moist, homogeneous, tan (SM) At El. 4.2 Ft., wet	46	2		5' Sampler	WOH	
			At El. 2.6 Ft., some shell					WOH	
							1.3	6	
0.5	5.8		SAND, silty, mostly subangular medium-grained shell, some fine-grained quartz, wet, homogeneous, grey (SM)	60	3		SPT Sampler	2	5
								7	13
							-0.2	6	
				93	4		SPT Sampler	8	
					5		-1.7	12	31
								19	
							Advanced Boring w/ fishtail bit		
-3.7	10.0						-3.7		
-4.2	10.5		SHELL		6			13	10
-4.6	10.9		CLAY, organic-H, high plasticity, firm (OH)	100	7		SPT Sampler	32	
-5.0	11.3		SAND, silty, mostly subrounded to rounded fine to medium-grained quartz (SM)		8		-5.0	100/0.3	132+
			LIMESTONE, soft, moderately weathered						
-6.5	12.8			88		RQD 60	4 x 5 1/2" Diamond Set Bit DT = 10 mins HP = 100 psi		
			SANDSTONE, hard, fossiliferous		1	BOX			
-7.4	13.7						-7.0		
			SANDSTONE, soft, slightly weathered	92		RQD 76	4 x 5 1/2" Diamond Set Bit DT = 12 mins HP = 50 psi		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																	
PROJECT Drilling Log Example			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLLW																	
LOCATION COORDINATES X = 635,451 Y = 1,284,796			ELEVATION TOP OF BORING 6.3 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/0.5 FT.	N-VALUE														
-9.5	15.8		SAND, poorly-graded with silt, mostly subrounded fine-grained quartz (SP-SM)	92	BOX 2	RQD 76	-9.5																
				73	9			SPT Sampler	8 14 23	37													
								Overwashed															
				47	10	U1		SPT Sampler	13 11 19	30													
-13.3	19.6																						
			SILT, inorganic-L, low plasticity, soft (ML)	100	11			12															
					12			22	20														
-14.5	20.8						-14.5	35	57														
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Undisturbed sample U1 was taken with a 5" I.D. Shelby (87% recovery) from a companion boring offset 5 Ft. to the east. 3. Boring sealed with available sediment. 4. Laboratory Testing Results <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>4D</td> <td>6.5/7.4</td> <td>SM</td> </tr> <tr> <td>9D</td> <td>15.8/17.3</td> <td>SP-SM*</td> </tr> <tr> <td>11D</td> <td>19.3/20.1</td> <td>ML*</td> </tr> <tr> <td>12</td> <td>20.1/20.8</td> <td>ML*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 5. Additional Laboratory Testing U1 Direct Shear	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	4D	6.5/7.4	SM	9D	15.8/17.3	SP-SM*	11D	19.3/20.1	ML*	12	20.1/20.8	ML*				140# hammer w/30" drop used with 2.0' split spoon (1-3/8" I.D. x 2" O.D.).  140# hammer w/30" drop used with 5.0' solid tube sampler (1-1/2" I.D. x 2" O.D.).  Blow counts indicated are those required for sampling only and do not correlate to the N-values of a Standard Penetration Test.  Abbreviations: WOR = Weight of Rods. WOH = Weight of Hammer. DT = Drill Time. HP = Hydraulic Pressure.	
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